

Message Text

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ACTION EB-08

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 USIA-06

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C O N F I D E N T I A L OECD PARIS 8406

EXCON

E.O. 11652: XGDS1

TAGS: ESTC, COCOM, IT, RO

SUBJ: ITALIAN MOS IC TECHNOLOGY TO ROMANIA - IL 1355

REFS: A) COCOM DOC (77) 140, B) OECD PARIS 7603,

C) 1976 STATE 49248

1. UKDEL OBJECTED TO ITALIAN IC TECHNOLOGY CASE AT COCOM MEETING MAR 22 ON GROUNDS THAT SUCH TECHNOLOGY WOULD SIGNIFICANTLY ENHANCE EASTERN EUROPEAN IC PRODUCTION CAPABILITIES.

2. GERMAN DEL CONTINUED RESERVE AND NOTED THAT P CHANNEL MOS - SILICON - GATE TECHNOLOGY HAS A HIGHER DENSITY OF INTEGRATION (ABOUT 1.3 TIMES), A HIGHER SWITCHING SPEED (ABOUT 70 NANoseconds PER STAGE) AND A SMALLER POWER DISSIPATION (ABOUT .7 WATTS) THAN STANDARD P -MOS - TECHNOLOGY; THAT N CHANNEL MOS SILICON GATE TECHNOLOGY HAS A VERY HIGH DENSITY OF INTEGRATION (ABOUT 1.5 TIMES), A VERY HIGH SWITCHING SPEED (ABOUT 20 NANoseconds PER STAGE), A SMALL POWER DISSIPATION (ABOUT .2 WATTS) AND A SUPPLY VOLTAGE OF ONLY 5 VOLTS. HE INQUIRED AS TO SAFEGUARDS THAT KNOW-HOW WOULD ONLY BE USED FOR CIVIL END USE AND TO CONFIDENTIAL

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PREVENT FURTHER TECHNOLOGICAL KNOW-HOW FROM BEING TRANSMITTED DURING 12 MONTH TRAINING PERIOD.

3. GERMAN DEL ALSO NOTED THAT THRESHOLD REGISTERS TYPE M 130, M 136 AND M141 ARE NOT ELIGIBLE FOR AEN TREATMENT, THAT THE 1024 BIT RAM STORAGE CIRCUIT M 330 AND THE 4096 BIT ROM STORAGE CIRCUIT CONTAIN MOS-

SILICON- GATE TECHNOLOGY AND ARE ALSO EMBARGOED BY 1564, AND THAT THE MOS-8 BIT MICROPROCESSOR SYSTEM M 38 IS COVERED BY IL 1564 II (C). ALL COMPONENTS FOR WHICH THE GERMAN AUTHORITIES HAVE DATA SHEETS AND WHICH ARE TO BE PRODUCED IN ROMANIA ARE THEMSELVES EMBARGOED BY 1564 II(C), GERMAN DEL STATED.

4. GEMAN DEL RECALLED THAT GERMAN CASE SUBMITTED AS COCOM DOC (76) 1647 INVOLVED LESS SOPHISTICATED IC MANUFACTURING EQUIPMENT AND ASKED UK DEL TO INDICATE WHICH ITEMS IN ITALIAN CASE WERE OF PARTICULAR CONCERN TO THEM. FRENCH DEL ASKED THAT ALL DELS STATE THEIR VIEWS ON ITALIAN CASE DESPITE UK OBJECTION.

5. ACTION REQUESTED: US VIEWS ASAP.
TURNER

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Message Attributes

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